



Release Criteria Guidance Status

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**Beryllium Health and Safety Committee Meeting
Atomic Weapons Establishment**

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“Guidance for Criteria, Characterization, and Remediation and Handling for Release of Beryllium-contaminated Items, Equipment, Facilities, Areas, and Waste”



Release Criteria

	Surface Levels	Air Levels	Restrictions/ Controls
Background	<0.03 $\mu\text{g}/100 \text{ cm}^2$	<0.01 $\mu\text{g}/\text{m}^3$	No restrictions
Slightly contaminated	0.03 to 0.20 $\mu\text{g}/100 \text{ cm}^2$	0.01 to 0.20 $\mu\text{g}/\text{m}^3$	Site-specific restrictions
Contaminated	>0.20 $\mu\text{g}/100 \text{ cm}^2$	>0.20 $\mu\text{g}/\text{m}^3$	Controlled per Title 10 CFR 850



Three Major Sections

- **Release Criteria**
- **Characterization**
- **Remediation and Handling**



Characterization

- **Statistics**
- **Strategies**
- **Methods**
 - **Surface**
 - Wet
 - Dry
 - Vacuum
 - **Air**
 - **Bulk**
- **Analytical Methods**



Remediation and Handling

- **Waste Disposal**
- **Servicing Vehicles**
- **D&D Activities**
- **Servicing Building Systems**
- **Posting and Labeling**
- **Packaging for Internal Transfer**
- **Dermal Protection**
- **Subcontractor Considerations**





Includes Examples

- **Includes Examples Rather Than Selecting One Method**
 - **Statistics-6**
 - **Beryllium Inventory-2**
 - **Wet Swipe Sampling-4**
 - **Vacuum Sampling-1**
 - **Bulk Sampling-1**



Needed Enhancements

- **New Title**
- **Fill Content Gaps**
- **Resolve**
 - **Inconsistencies**
 - **Redundancies**
 - **Overlaps**



Gaps

- **Examples of Site-specific Restrictions for Slightly Contaminated**
- **Statistics for Non-parametric Data**
 - **Ed Fromme/ORISE Developing**
- **Air Sampling Strategies**
- **Dry Swipe Methods**
- **Bulk Sampling Methods**
- **Reporting Strategy and Results**
- **Others Not Yet Identified**



Next Steps

- **Reviews by Teams**
- **Reviews by All**
- **Obtain Input from BHSC Analytic Subcommittee**
- **Determine:**
 - **“Voice”**
 - **Home**
- **Publish and Maintain**